Resistive HMI SZ4097C

sub-Zero
Precision Control, always

Main Features

- Plastic enclosure, low cost, high reliability.
- The main board is treated with a special coating (three anti-paint) to adapt to harsh environment.
- High resolution, high brightness, LED backlight, more energy saving and environmental protection.
- The USB host port supports U disk to storage and download data.
- 4-way serial port, more powerful expansion function.
- Isolated power supply, protected from thunder strike and surging.
- New configuration software, rich library, powerful features.

Specification

Display	:	9.7" 4:3 TFT LCD
Resolution (WxH)	:	1024×768
Colors	:	16-bit
Brightness	:	350 cd/m^2
Backlight	:	LED
LCD Life	:	50000 hours
Touch Panel	:	4 wires resistive touch screen
CPU	:	600MHz ARM Cortex-A8
Memory	:	128M Flash + 128M DDR3
RTC	:	Built in
Ethernet	:	NA
USB Port	:	USB Slave 2.0 Port*1, USB Host 2.0 Port*1
Download Port	:	USB Slave Port/U-disk
COM Port	:	COM1: RS232/RS485/RS422 COM3: RS232
LCD Viewing Angle (T/B/L/R)	:	85'/85'/85'/85'

Electrical Specification :

Power Consumption	:	< 10W
Input Power	:	DC24V,working range DC 9V~28V
Power Protection	:	Protected from thunder strike and surging
Power Down Allowed	:	< 5mS
CE & RoHS	:	Complied with EN61000-6-2:2005, EN61000-6-4:2007, RoHS, Surge Immunity:±1KV, EFT:±2KV,ESD:4KV, Air:8KV

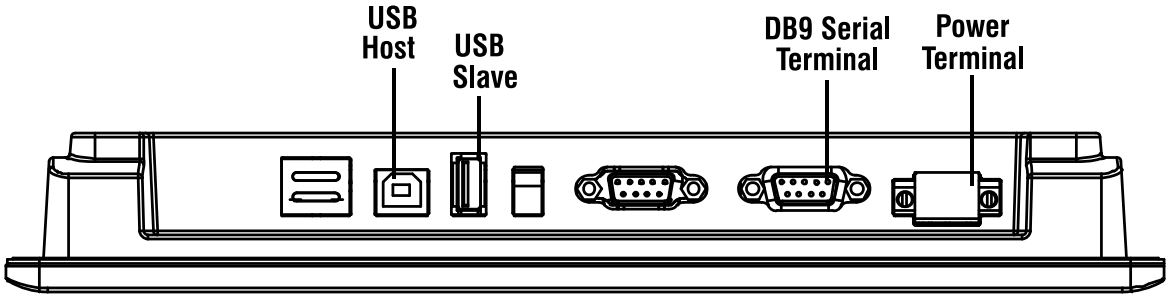
Environment Specification :

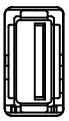
Operating Temperature	: 0~50°C
Storage Temperature	: -20~60°C
Anti-UV	: Not suitable to work in strong ultraviolet light (such as direct sunlight)
Operating Humidity	: 10~90%RH(Non condensation)
Vibration Endurance	: 10~25Hz(X,Y,Z direction 2G/30 minutes)
Cooling	: Natural air cooling

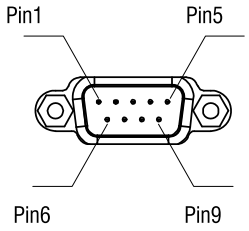
Mechanical Specification :

Degree of protection	: Front IP65(with NEMA panel), Back IP20
Enclosure	: Engineering plastic
Panel Cutout (WxH)	: 259mm×201mm
Dimension	: 276mm×213mm×39mm
Weight	: About 1100g

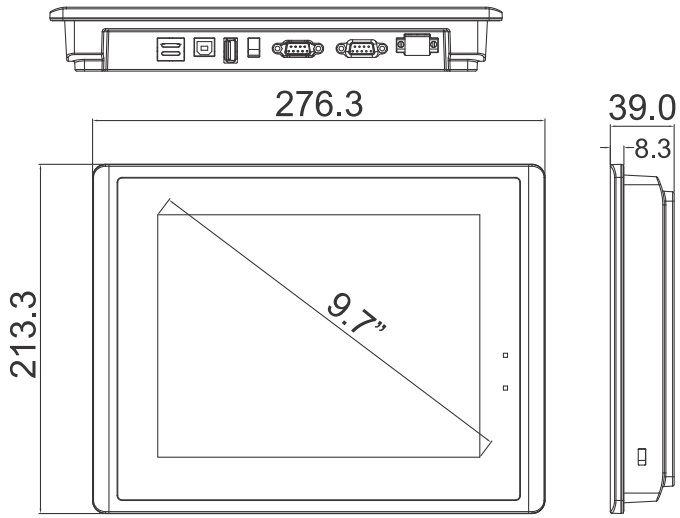
Wiring Definition



Power Terminal (Pin1～Pin3 from left to right)		
	Pin1	FG
	Pin2	0V
	Pin3	DC 24V
USB Slave		
	Micro USB	Used to download programs and debug
USB Host		
	USB Type A	Used to connect U disk, scan code gun and other peripherals

DB9 Serial Terminal (COM1 / COM3)		
	Pin1	Rx-(B)
	Pin2	RxD (COM1 RS232)
	Pin3	TxD (COM1 RS232)
	Pin4	Tx-
	Pin5	GND
	Pin6	Rx+(A)
	Pin7	RxD (COM3 RS232)
	Pin8	TxD (COM3 RS232)
	Pin9	Tx+

Dimensions & Panel Cutout



Panel Cutout (WxH) :
259mm (+/-1mm) X 201mm (+/-1mm)